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FIG. 1

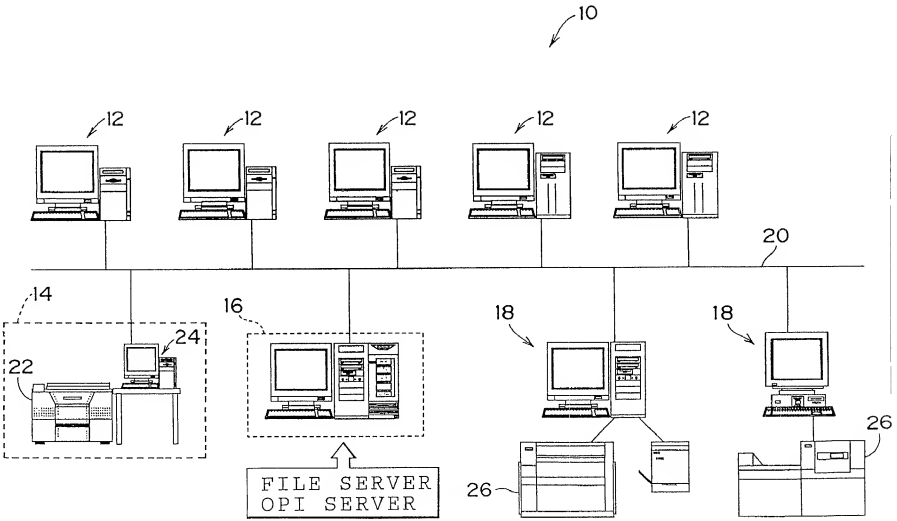


FIG. 2A

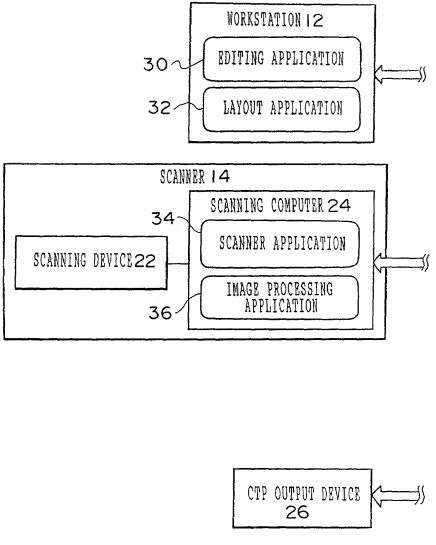

WORKSTATION 12
30
EDITING APPLICATION
32
LAYOUT APPLICATION
SCANNER 14
SCANNING COMPUTER 24
34
SCANNER APPLICATION
SCANNING DEVICE 22
IMAGE PROCESSING APPLICATION
36
CTP OUTPUT DEVICE 26

FIG. 2B

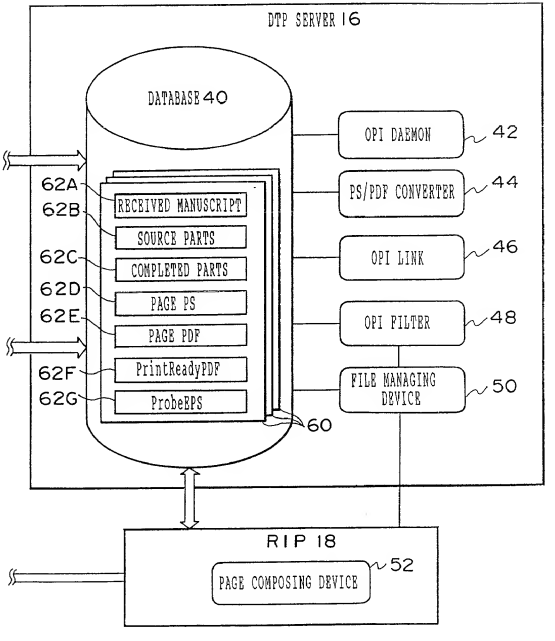

DTP SERVER 16
DATABASE 40
OPI DAEMON
42
PS/PDF CONVERTER
44
OPI LINK
46
OPI FILTER
48
FILE MANAGING DEVICE
50
62A
62B
62C
62D
62E
62F
62G
RECEIVED MANUSCRIPT
SOURCE PARTS
COMPLETED PARTS
PAGE PS
PAGE PDF
PrintReadyPDF
ProbeEPS
60
RIP 18
PAGE COMPOSING DEVICE
52

FIG. 3A

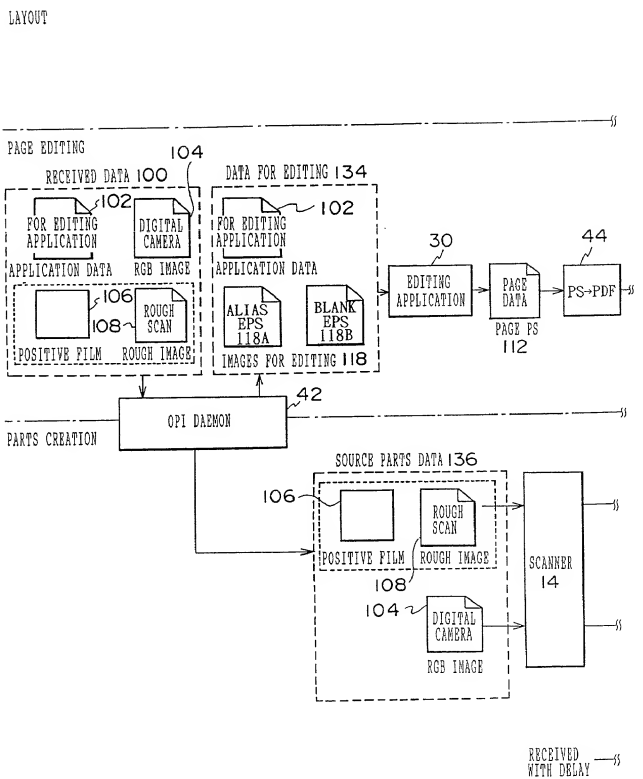
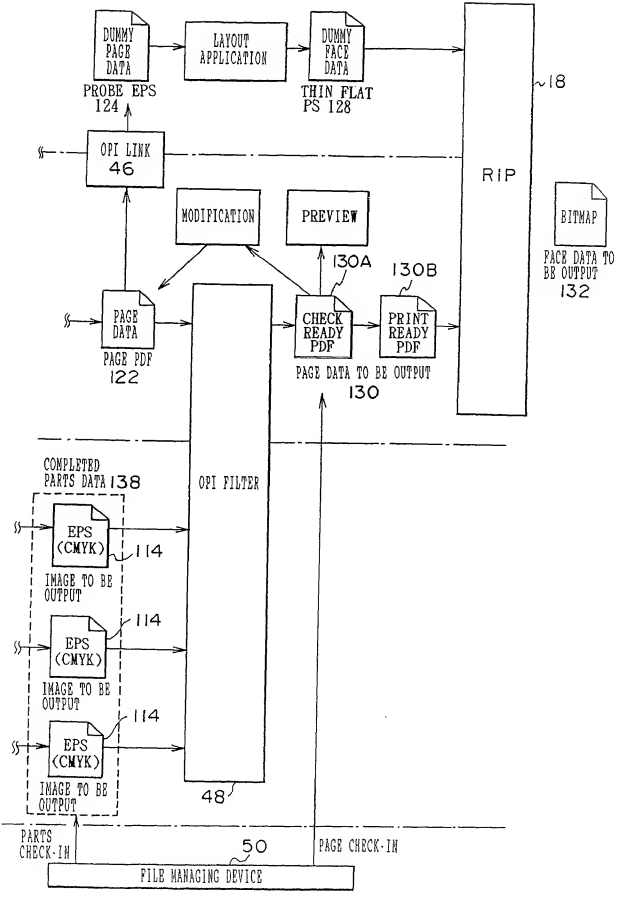

LAYOUT
PAGE EDITING
104
RECEIVED DATA 100
DATA FOR EDITING 134
102
FOR EDITING APPLICATION
DIGITAL CAMERA
APPLICATION DATA
RGB IMAGE
106
ROUGH SCAN
108
POSITIVE FILM
ROUGH IMAGE
ALIAS EPS 118A
BLANK EPS 118B
IMAGES FOR EDITING 118
30
EDITING APPLICATION
PAGE DATA
PAGE PS 112
44
PS→PDF
42
OPI DAEMON
PARTS CREATION
SOURCE PARTS DATA 136
SCANNER 14
RECEIVED WITH DELAY
MANAGEMENT

FIG. 3B


DUMMY PAGE DATA
PROBE EPS 124
LAYOUT APPLICATION
DUMMY FACE DATA
THIN FLAT PS 128
~18
RIP
OPI LINK 46
MODIFICATION
PREVIEW
BITMAP
PACE DATA TO BE OUTPUT 132
130A
130B
PAGE DATA
PAGE PDF 122
CHECK READY PDF
PRINT READY PDF
PAGE DATA TO BE OUTPUT 130
COMPLETED PARTS DATA 138
OPI FILTER
EPS (CMYK)
114
IMAGE TO BE OUTPUT
EPS (CMYK)
114
IMAGE TO BE OUTPUT
EPS (CMYK)
114
IMAGE TO BE OUTPUT
48
PARTS CHECK-IN
50
PAGE CHECK-IN
FILE MANAGING DEVICE

FOREIGN PATENT DOCUMENT

FIG. 4A

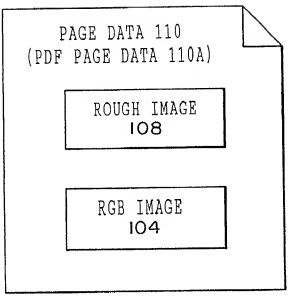


FIG. 4B

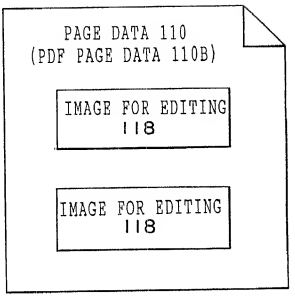


FIG. 5

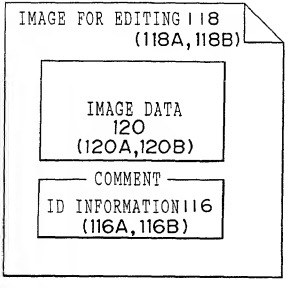


IMAGE FOR EDITING 118
(118A, 118B)
IMAGE DATA
120
(120A,120B)
COMMENT
ID INFORMATION 116
(116A,116B)

FIG. 6

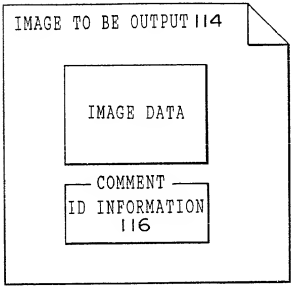


IMAGE TO BE OUTPUT 114
IMAGE DATA
COMMENT
ID INFORMATION
116

FIG. 7

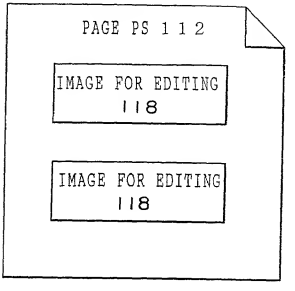


FIG. 8

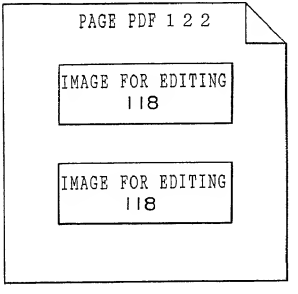


FIG. 9

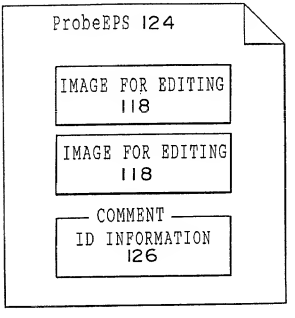

ProbeEPS 124
IMAGE FOR EDITING 118
IMAGE FOR EDITING 118
COMMENT
ID INFORMATION 126

FIG. 10

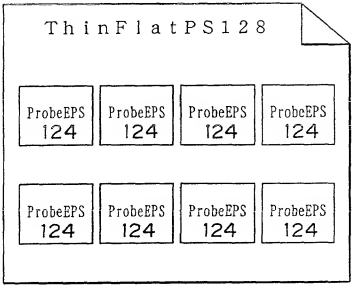
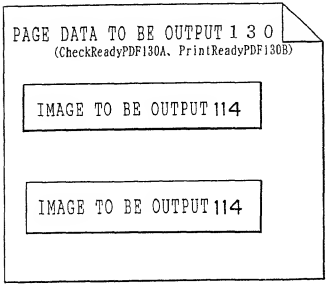

ThinFlatPS128
ProbeEPS 124
ProbeEPS 124
ProbeEPS 124
ProbeEPS 124
ProbeEPS 124
ProbeEPS 124
ProbeEPS 124
ProbeEPS 124

FIG. 11


PAGE DATA TO BE OUTPUT 130
(CheckReadyPDF130A、PrintReadyPDF130B)
IMAGE TO BE OUTPUT 114
IMAGE TO BE OUTPUT 114

P0S0EP 3E5S4Z0S

FIG. 12

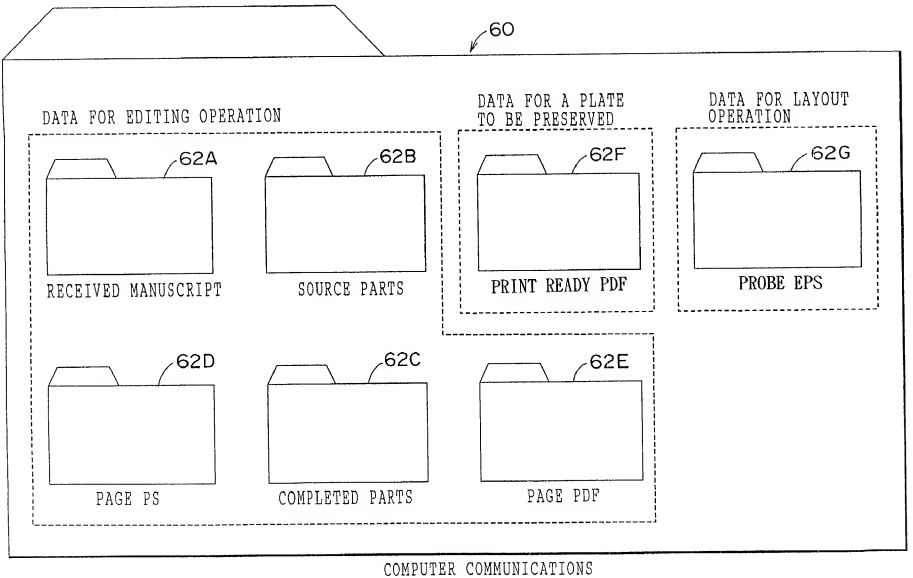


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FIG. 13

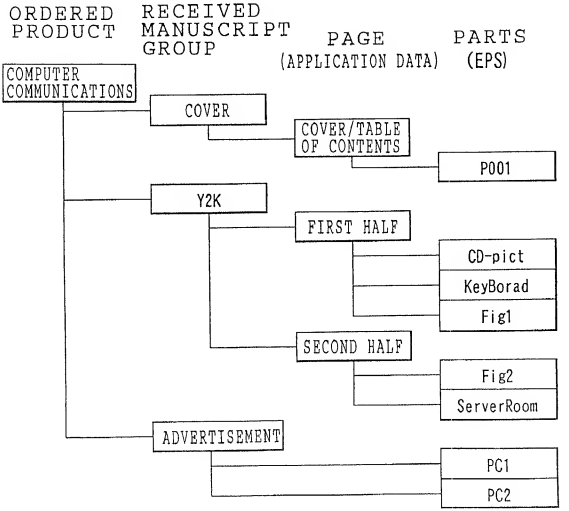


FIG. 14

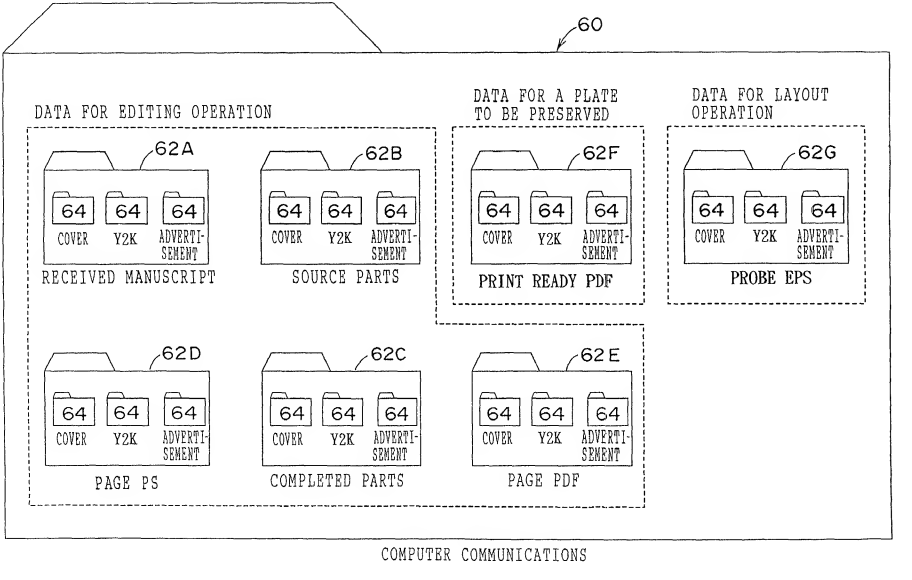
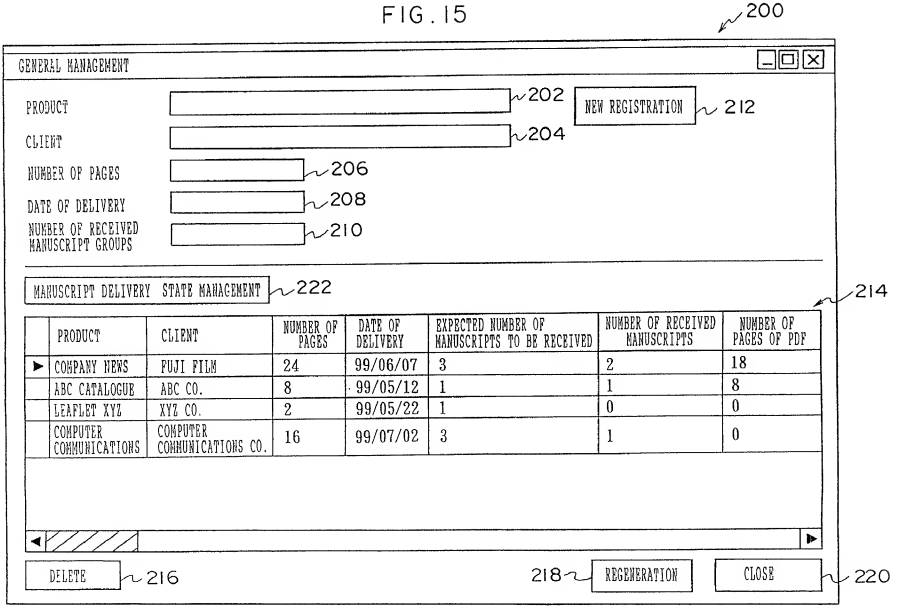

60
DATA FOR EDITING OPERATION
DATA FOR A PLATE TO BE PRESERVED
DATA FOR LAYOUT OPERATION
62A
62B
62F
62G
64
COVER
Y2K
ADVERTI-SEMENT
RECEIVED MANUSCRIPT
SOURCE PARTS
PRINT READY PDF
PROBE EPS
62D
62C
62E
PAGE PS
COMPLETED PARTS
PAGE PDF
COMPUTER COMMUNICATIONS

FIG. 15



	PRODUCT	CLIENT	NUMBER OF PAGES	DATE OF DELIVERY	EXPECTED NUMBER OF MANUSCRIPTS TO BE RECEIVED	NUMBER OF RECEIVED MANUSCRIPTS	NUMBER OF PAGES OF PDF
▶	COMPANY NEWS	FUJI FILM	24	99/06/07	3	2	18
	ABC CATALOGUE	ABC CO.	8	99/05/12	1	1	8
	LEAFLET XYZ	XYZ CO.	2	99/05/22	1	0	0
	COMPUTER COMMUNICATIONS	COMPUTER COMMUNICATIONS CO.	16	99/07/02	3	1	0

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FIG. 16

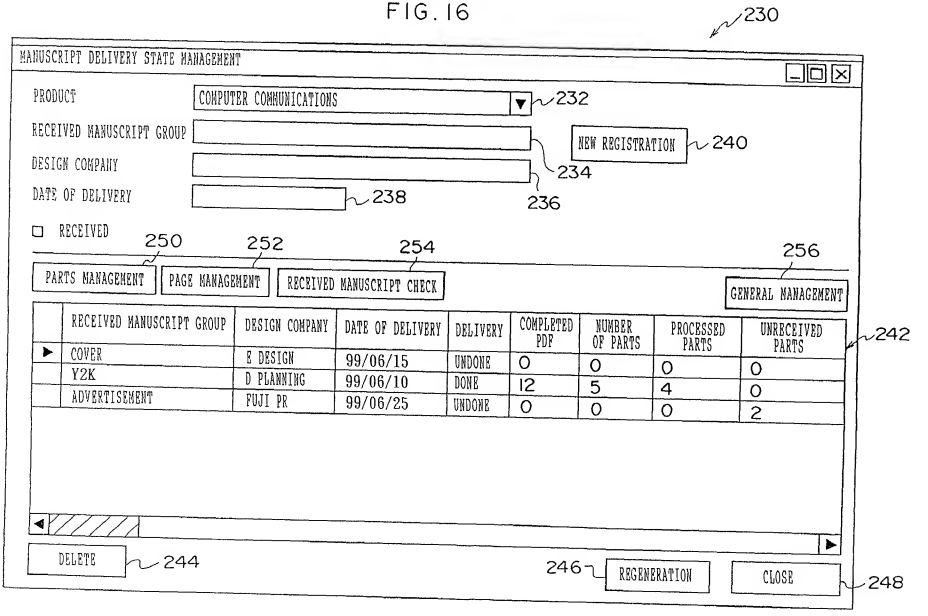

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FIG. 17

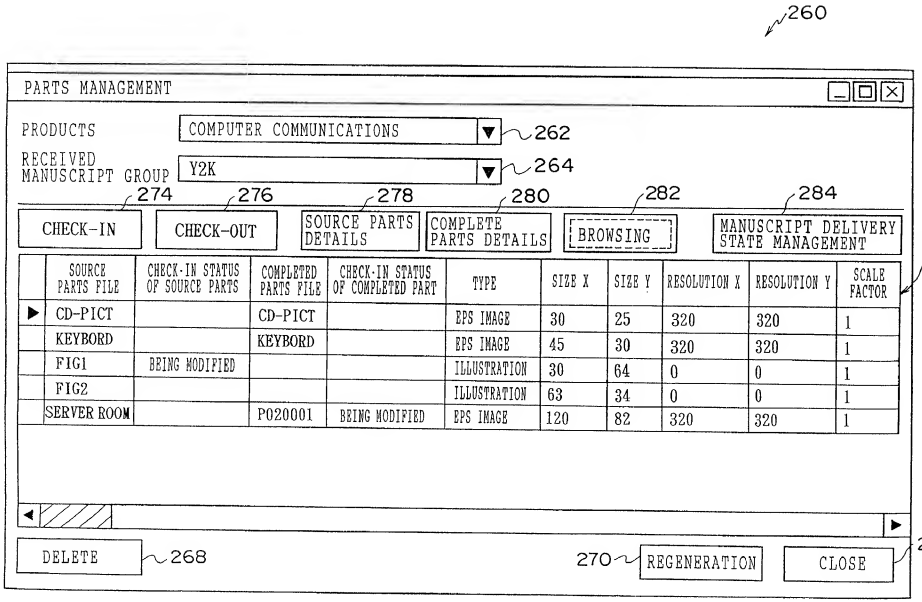

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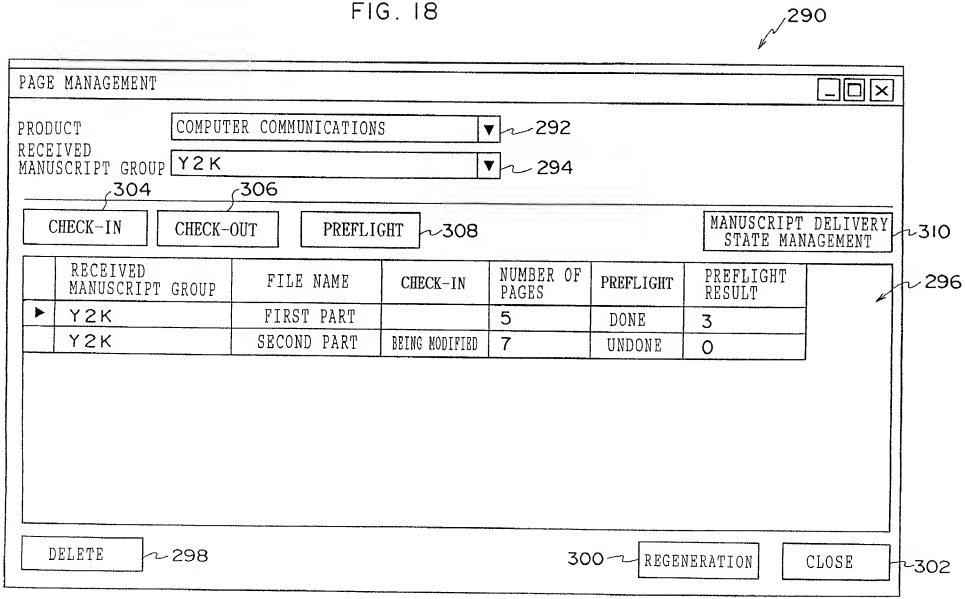
FIG. 18


290
PAGE MANAGEMENT
PRODUCT
COMPUTER COMMUNICATIONS
292
RECEIVED MANUSCRIPT GROUP
Y2K
294
304
306
CHECK-IN
CHECK-OUT
PREFLIGHT
308
MANUSCRIPT DELIVERY STATE MANAGEMENT
310
296
RECEIVED MANUSCRIPT GROUP
FILE NAME
CHECK-IN
NUMBER OF PAGES
PREFLIGHT
PREFLIGHT RESULT
Y2K
FIRST PART
5
DONE
3
Y2K
SECOND PART
BEING MODIFIED
7
UNDONE
0
DELETE
298
300
REGENERATION
CLOSE
302

PATENT APPLICATION

FIG. 19

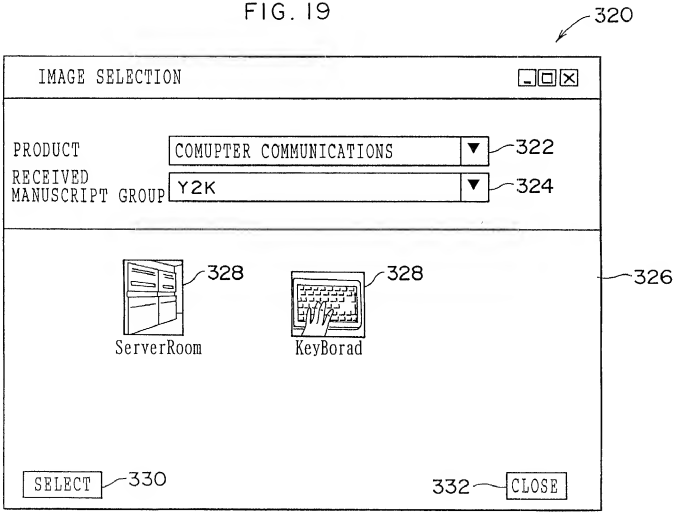


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FIG. 20

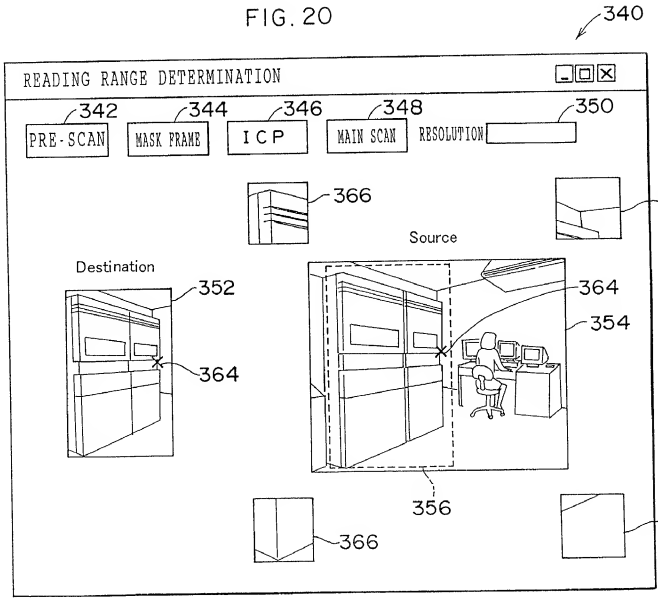
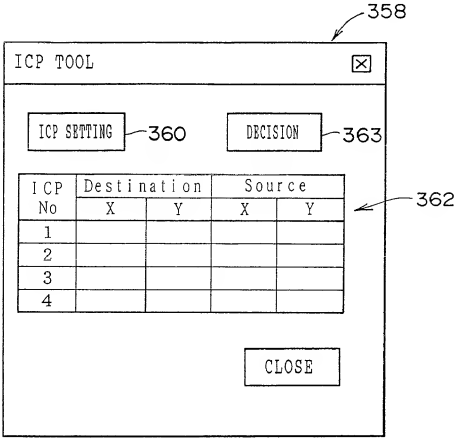


FIG. 21


358
ICP TOOL
ICP SETTING
360
DECISION
363
ICP No
Destination
Source
X
Y
X
Y
1
2
3
4
362
CLOSE

US006219659B1

FIG. 22A

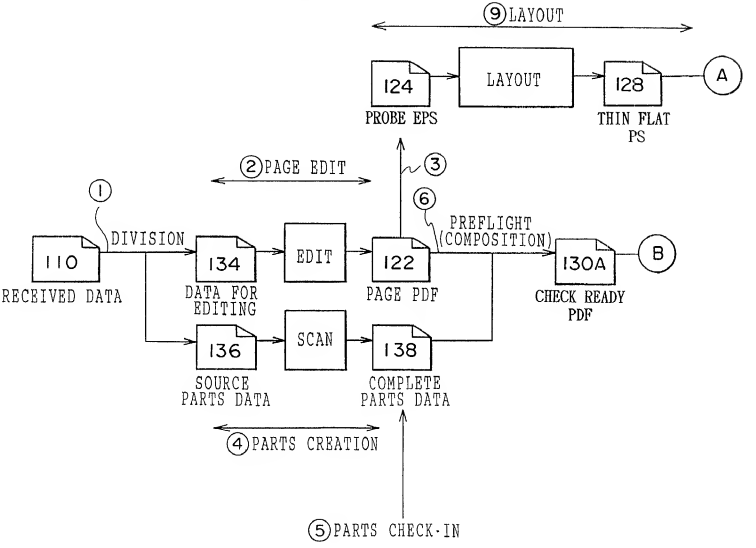


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FIG. 22B

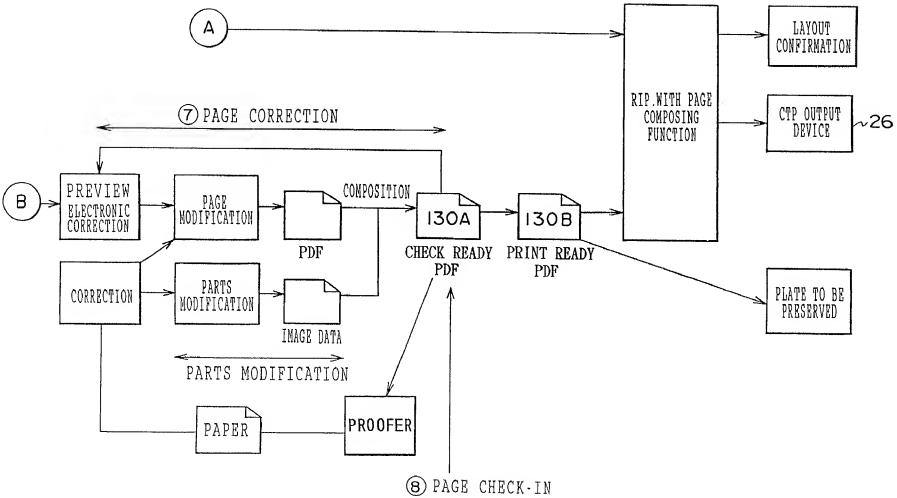


FIG. 23A

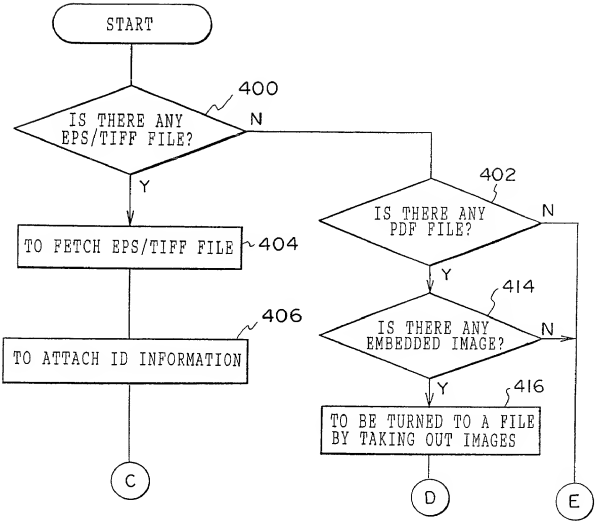

START
400
IS THERE ANY EPS/TIFF FILE?
N
Y
TO FETCH EPS/TIFF FILE
404
406
TO ATTACH ID INFORMATION
C
402
IS THERE ANY PDF FILE?
N
Y
414
IS THERE ANY EMBEDDED IMAGE?
N
Y
416
TO BE TURNED TO A FILE BY TAKING OUT IMAGES
D
E

FIG. 23B

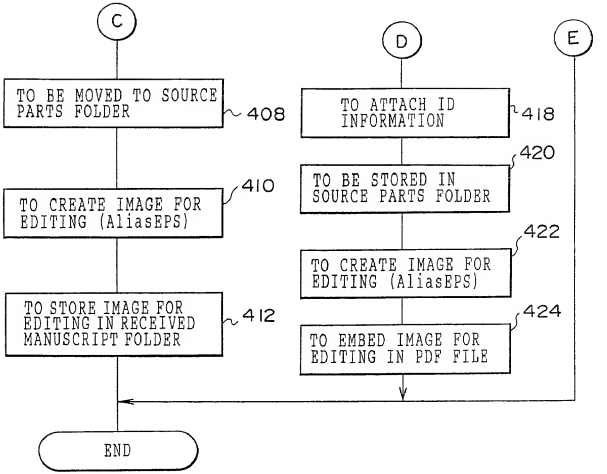

C
D
E
TO BE MOVED TO SOURCE PARTS FOLDER
408
TO CREATE IMAGE FOR EDITING (AliasEPS)
410
TO STORE IMAGE FOR EDITING IN RECEIVED MANUSCRIPT FOLDER
412
TO ATTACH ID INFORMATION
418
420
TO BE STORED IN SOURCE PARTS FOLDER
422
TO CREATE IMAGE FOR EDITING (AliasEPS)
424
TO EMBED IMAGE FOR EDITING IN PDF FILE
END

FIG. 24

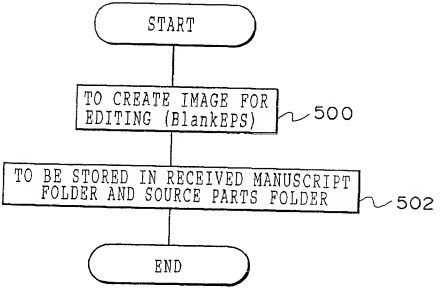

START
TO CREATE IMAGE FOR EDITING (BlankEPS)
500
TO BE STORED IN RECEIVED MANUSCRIPT FOLDER AND SOURCE PARTS FOLDER
502
END

FIG. 25

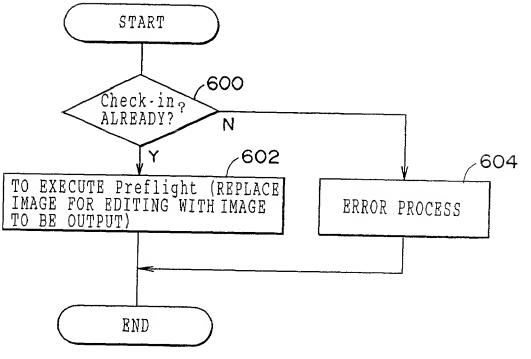

START
Check-in ALREADY?
600
N
Y
602
TO EXECUTE Preflight (REPLACE IMAGE FOR EDITING WITH IMAGE TO BE OUTPUT)
604
ERROR PROCESS
END

FIG. 26A

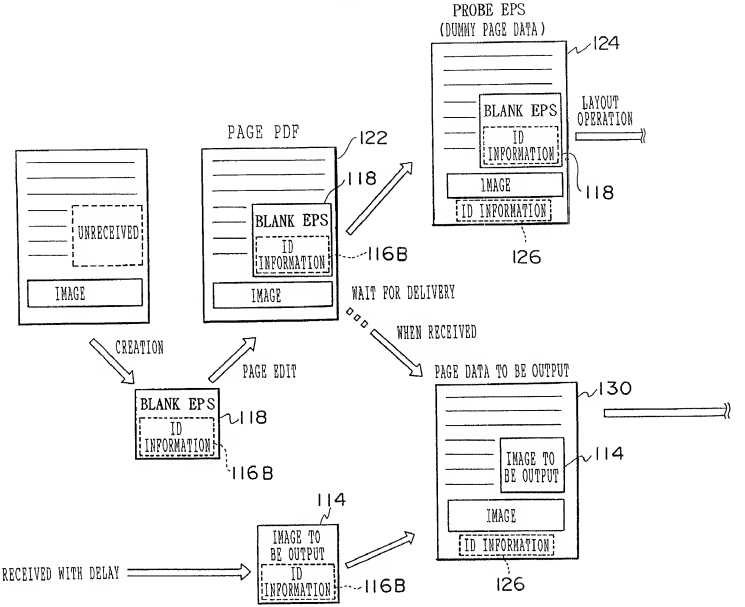
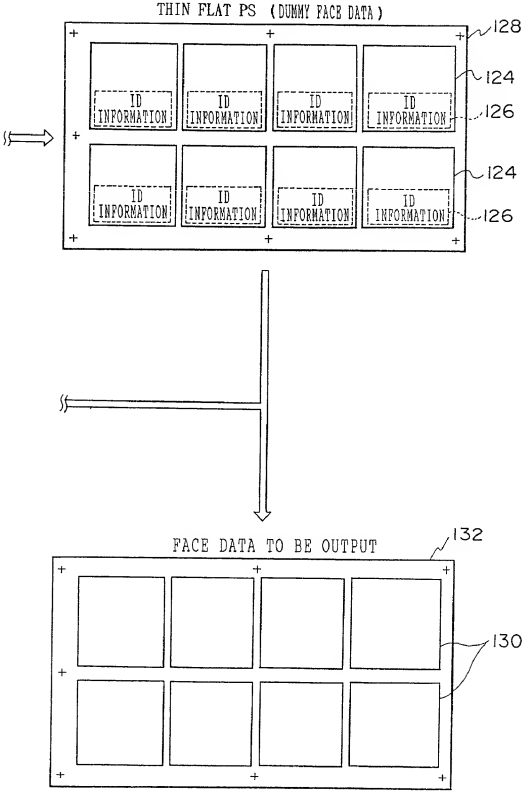

PROBE EPS
(DUMMY PAGE DATA)
124
BLANK EPS
ID INFORMATION
LAYOUT OPERATION
IMAGE
ID INFORMATION
118
126
PAGE PDF
122
118
BLANK EPS
ID INFORMATION
116B
IMAGE
UNRECEIVED
IMAGE
WAIT FOR DELIVERY
WHEN RECEIVED
CREATION
PAGE EDIT
BLANK EPS
ID INFORMATION
118
116B
PAGE DATA TO BE OUTPUT
130
IMAGE TO BE OUTPUT
114
IMAGE
ID INFORMATION
126
114
IMAGE TO BE OUTPUT
ID INFORMATION
116B
RECEIVED WITH DELAY

FIG. 26B


THIN FLAT PS (DUMMY FACE DATA)
128
124
126
ID INFORMATION
124
126
FACE DATA TO BE OUTPUT
132
130